

Attorney Docket No.: NE-0002
Inventors: Borgstahl et al.
Serial No.: 10/681,874
Filing Date: October 7, 2003
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Amendments to the Specification:

Please replace the Abstract of the Disclosure at page 19 with the following amended Abstract:

--The present invention provides a digital topography imaging system ~~that may be employed to determine~~ for determining the crystalline structure of a sample, wherein the system employs a charge coupled device (CCD) camera with antiblooming circuitry to directly convert x-ray signals to electrical signals without the use of phosphor and measures reflection profiles from the x-ray emitting source after x-rays are passed through a sample. and ~~methods~~ Methods for using said system are also provided.--

Please replace the paragraph beginning at page 9, line 34, with the following amended paragraph:

--As shown in FIG.—21, in a preferred embodiment, the system assembly of the present invention comprises a base with an inlaid screw, placed on a horizontal flat surface. The horizontal BiSlide 5 is mounted to the vertical BiSlide 4. The vertical screw 7 allows the horizontal BiSlide 5 to move up and down the length of the vertical BiSlide 4, relative to the horizontal flat surface. The camera 1 is mounted to the horizontal BiSlide 5 by the mounting bracket 2 and the camera mounting bracket 3. The horizontal BiSlide 5 has an inlaid screw allowing the mounting bracket 2, camera mounting bracket 3, and camera 1 assembly to move laterally along the length of the horizontal BiSlide 5. Both

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the vertical and horizontal screw assemblies allow the camera **1** to be positioned where needed on the sample holder **10** located in front of the x-ray emitting source **11** when the topography imaging system of the present invention is used.--